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## **Behlman introduces the world's first VPXtra™ IQ 700 Watt, 5-output Open VPX compliant power supply with intelligent communication, measurement and control capability.**

VPXtra™ 1000CM-IQ power supply gives system designers an easier, and more versatile way to achieve better VPX performance.

*Hauppauge, New York, November 16, 2015* — Behlman Electronics Inc., known for its leadership in providing power products for military shipboard, airborne and mobile programs, as well as for industrial and commercial applications, has announced that its new VPXtra™ 1000CM-IQ Power Supply is a VITA 62, Open VPX compliant, 6U power supply that delivers 700 Watts of DC power via five outputs, along with an unprecedented array of high intelligence features.

### **THE POWER**

The ability to utilize wide-ranging input power from 18 to 36 VDC enables the VPXtra™ 1000CM-IQ Power Supply to operate effectively in extremely variable conditions. Applying its 700 Watts DC to five different outputs gives VPX system designers the versatility of having 12 VDC at 40 Amps; 5 VDC at 24 Amps; 3.3 VDC at 15 Amps; -12 VDC at 2 Amps, and +12 VDC at 1 Amp. In addition, the 12 VDC output can be paralleled. Other features include low noise and ripple; input-output isolation; over-current, over-voltage and over-temperature protection; excellent load regulation; high power density; and 90% typical efficiency.

### **THE INTELLIGENCE**

The high level of intelligence built into VPXtra™ 1000CM-IQ Power Supplies, enables VPX system designers to create more compact systems with fewer additional components needed to accomplish vital communication, measurement and control functions. VPXtra™ IQ features include the ability to monitor and report all output voltages; output current; input voltage; input current; and temperature. It also supports ANSI/VITA 46 signals for geographical addressing, NVMRO (Non-Volatile Memory Read Only) and SYSRESET. Also included are user-adjustable warning/fault levels for voltage, current and temperature; inventory management information such as part numbers, serial numbers, and revision status; SMBALERT # signal to alert system controller of a power supply status change; over 200K user storage memory for settings

and information; extensive PMBus™ command set and status registers support.

According to Behlman's President, Ron Storm, *"After we broke through the low VPX power ceiling in 2012, and became the only manufacturer that could supply 700W and 1000W VPX power supplies in a 6U form factor, we knew it would be a matter of time before we could increase their versatility and utility. By adding intelligent features that support communication, measurement and control functions, that day has arrived, and now VPX systems designers can do more in less space than ever before."*

Complete specifications and data sheets for VPXtra™1000CM-IQ Power Supply are immediately available at [www.behlman.com](http://www.behlman.com).

A new two-output, 1000 Watt Behlman Intelligent VPXtra™1000CD-IQ Power Supply, is also available.

Behlman Electronics Inc., ([www.behlman.com](http://www.behlman.com)), a subsidiary of Orbit International Corp., manufactures and sells high-quality standard, modified-standard, custom and COTS power solutions, including AC power supplies, frequency converters, inverters, DC-DC, AC-DC, DC-AC, uninterruptible power supplies, and the VPXtra™ line of VPX/VME power supplies. Behlman is an ISO 9001:2008 company.

Orbit International Corp., based in Hauppauge, New York, is involved in the manufacture of customized electronic components and subsystems for military and nonmilitary government applications. Other subsidiaries and divisions include Orbit Instrument, Tulip Development Laboratory, and Integrated Combat Systems, all of which are members of the Orbit Electronics Group.

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The Behlman VPXtra™ 1000CM-IQ is a 6U, Open VPX, VITA 62, DC-to-DC, 700 W power supply with five outputs. It provides an unprecedented level of intelligence for communication, measurement, and control.